



FEMA



Prepared by
Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Sunday, October 21, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



SR ROC
REGIONAL OPERATIONS CENTER

Today and Monday

- Rain chances continue over **Deep S TX**, with isolated flash flooding possible.

Tuesday - Thursday

- Persistent rain on Tuesday over already-vulnerable areas of **SW TX** may lead to some isolated flash flooding.
- Widespread rainfall expected on Tuesday as well over **NM** and **W TX** as well; some locations could see heavy rain, which would lead to isolated flooding.
- Widespread rainfall across central portions of the Region is expected on Wednesday; difficult to pinpoint if there would be any favored locations for heavy rain / flooding, except for the already vulnerable locations of **SW & S-Central TX**.
- Rain will be moving through eastern portions of the Region on Thursday; widespread severe weather and/or flooding is not expected.

River Flood Status

- Moderate to Major River flooding is ongoing or expected across Texas.
 - Points along the Nueces river in **STX** will be in Major Flood at times over the next week as water moves downstream. The point near Cotulla is in Major flood and rising, with a crest on Monday; evacuation of livestock and a few residential properties may be required.
 - The Colorado River at Lake Travis will remain in Major Flood; many homes & mobile homes at Graveyard Point are likely impacted now.
 - The Trinity River near Trinidad has crested and will now begin a slow fall. The Trinity River at Liberty has risen into Major Flood and will remain in Major flood throughout this upcoming week with impacts of major lowland flooding and several subdivisions above Liberty likely flooding.
- Additional rainfall over the next few days in **S-Central TX** will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern include the **Guadalupe, San Antonio** and **Nueces** systems, along with the **Hill Country**.

Tropical Outlook

- No new tropical cyclones are expected during the next five days.

FEMA Region 6 Threat Matrix

Oct 21, 2018 – Oct 25, 2018



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	SUN	MON	TUE	WED	THU
Severe Storms					
Heavy Rain / Flash Flooding	Deep S TX	S-Cntrl & SE TX	NM, W TX SW TX	Throughout central and east-central portions of the Region	
Winter Weather					
Tropical Weather					
River Flooding	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.*

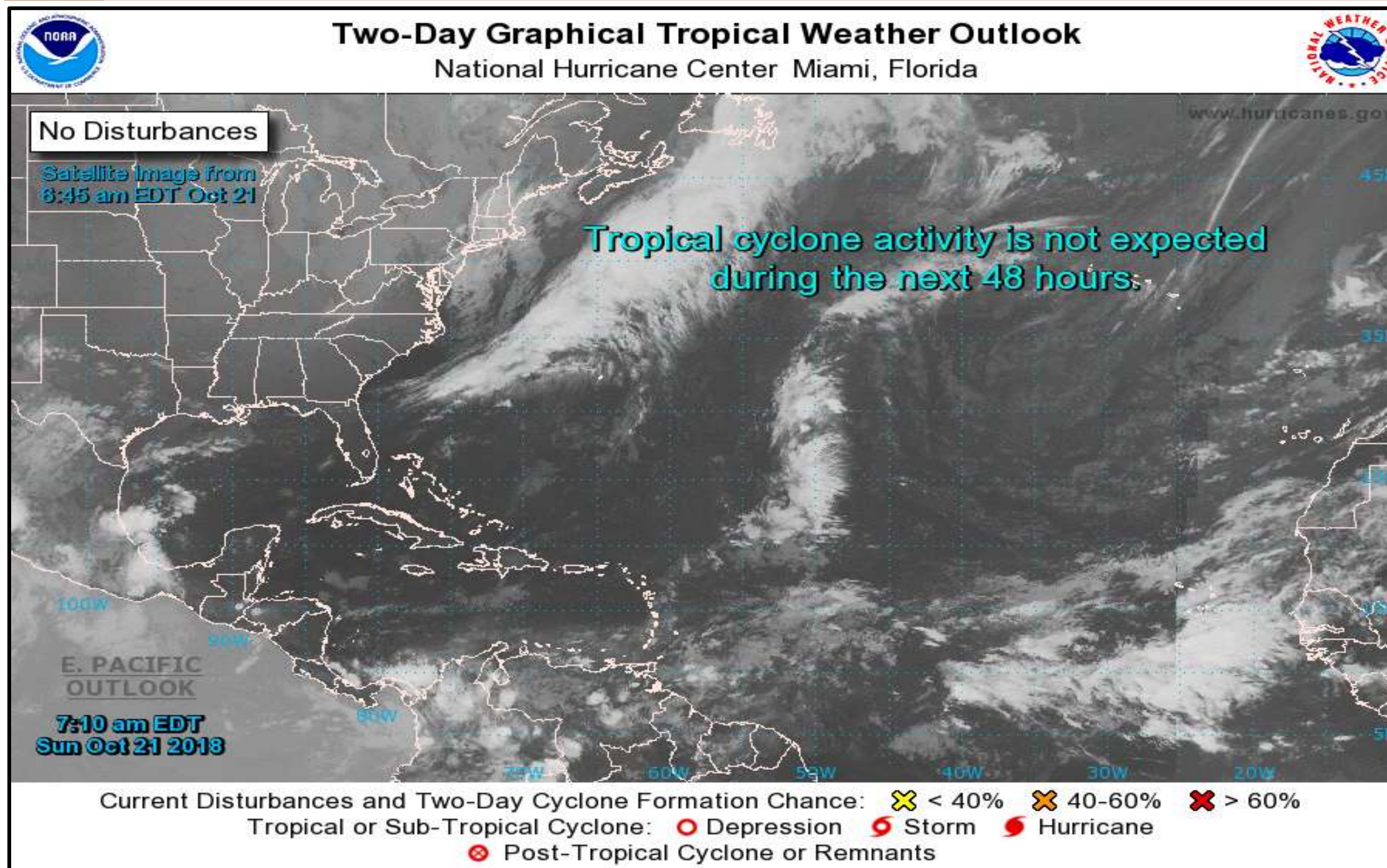
*State or local threat level criteria may differ.**

For more details on the colors in the threat matrix refer to the last slide in this briefing.

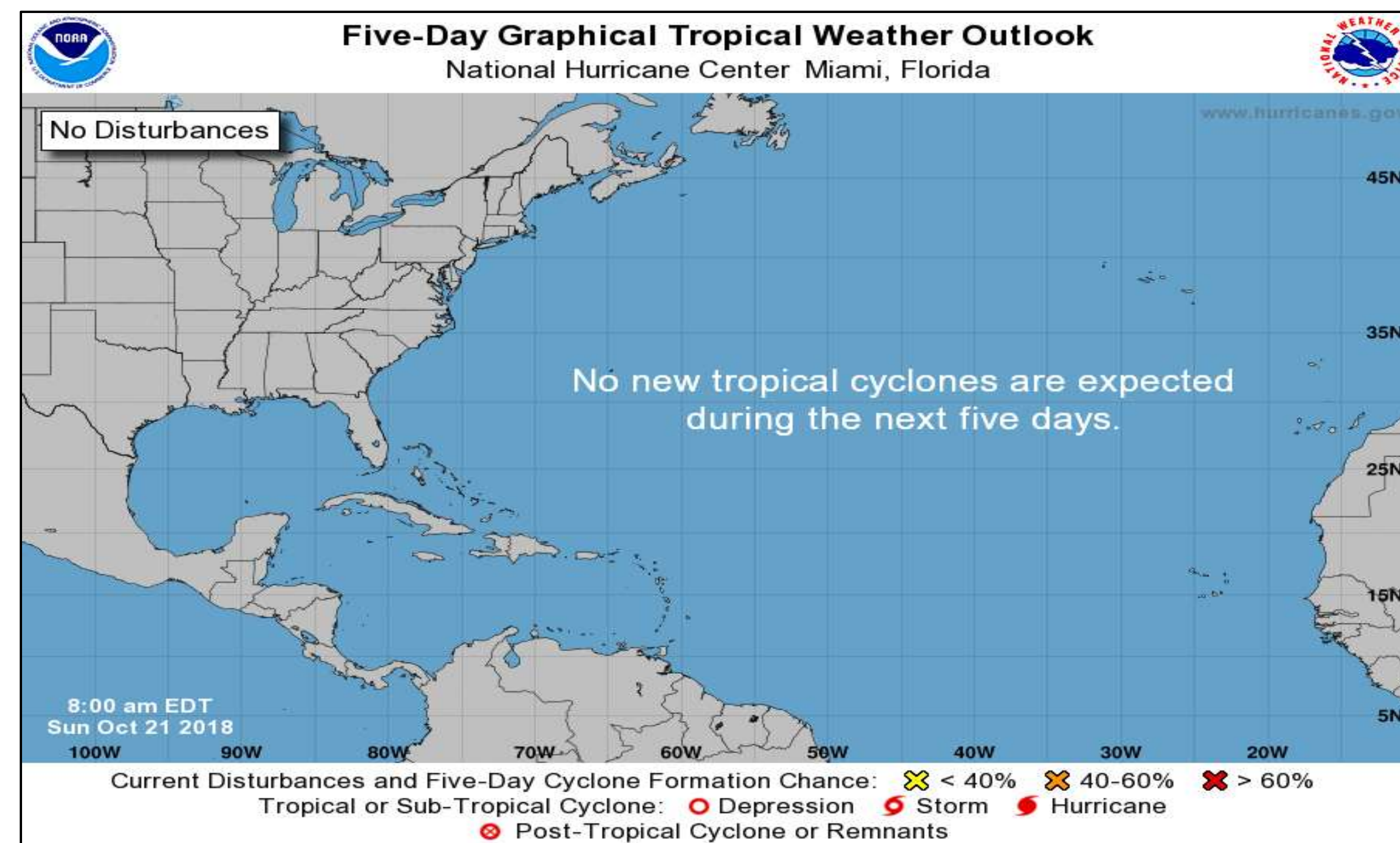
Tropical Weather Outlook – Atlantic/Gulf



SR ROC
REGIONAL OPERATIONS CENTER



No new tropical cyclones are expected during the next five days.

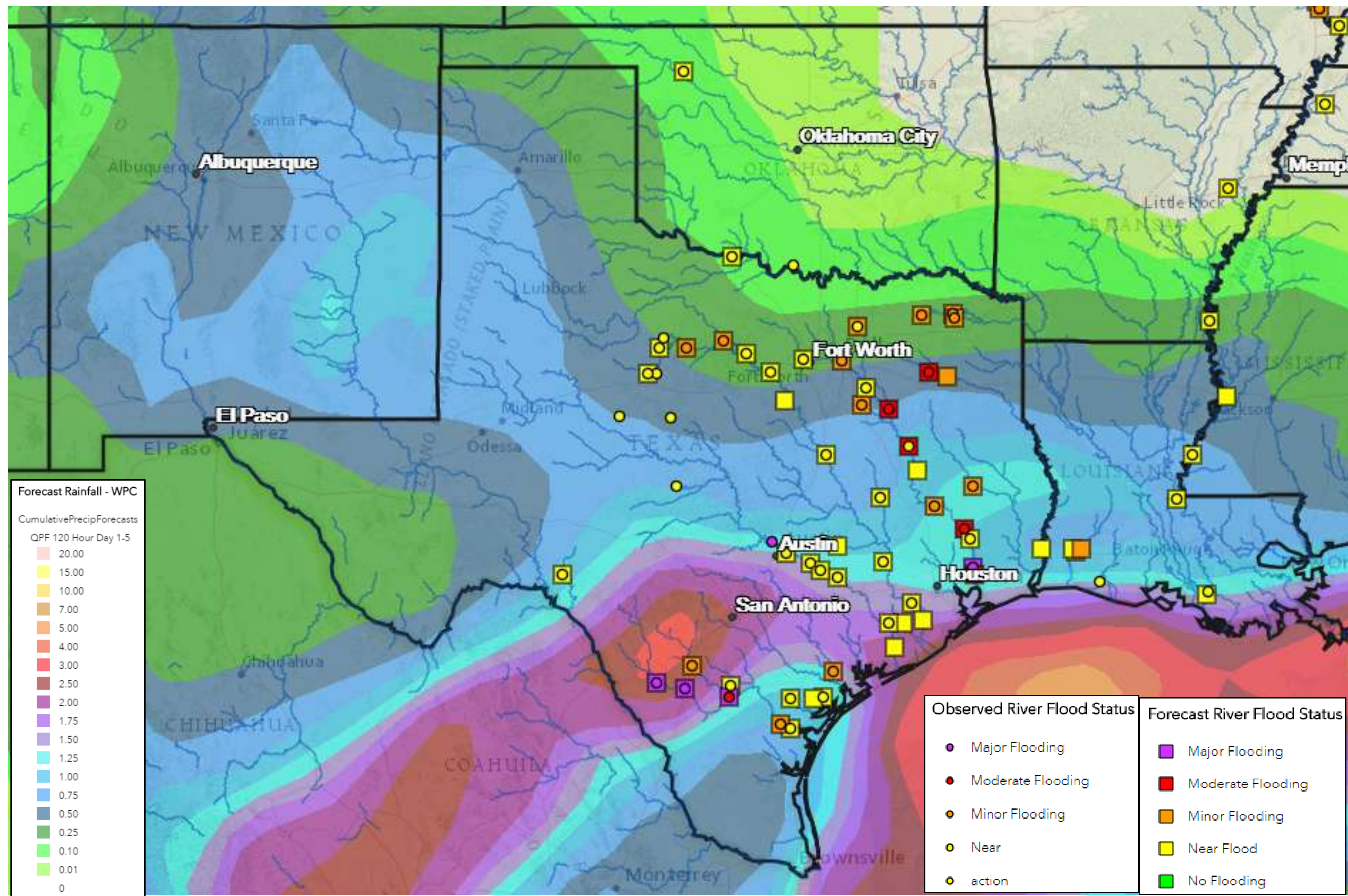


5-Day Precipitation Forecast & River Flood Status



SR ROC
REGIONAL OPERATIONS CENTER

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate to Major River flooding is ongoing or expected across Texas.

- Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Cotulla is in Major flood and rising, with a crest on Monday; evacuation of livestock and a few residential properties may be required.
- The Colorado River at Lake Travis will remain in Major Flood; many homes & mobile homes at Graveyard Point are likely impacted now.
- The Trinity River near Trinidad has crested and will now begin a slow fall. The Trinity River at Liberty has risen into Major Flood and will remain in Major flood throughout this upcoming week with impacts of major lowland flooding and several subdivisions above Liberty likely flooding.

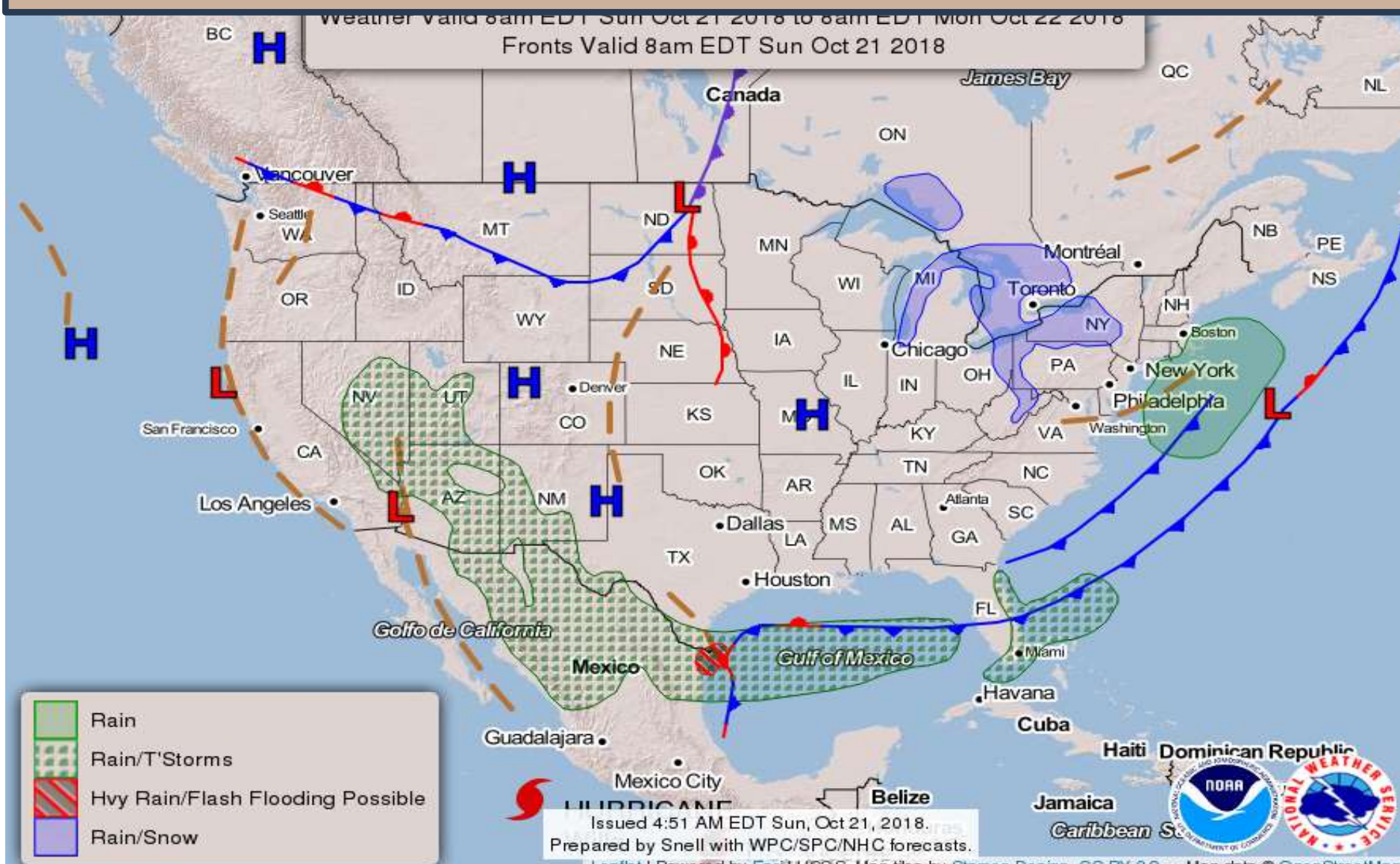
Additional rainfall over the next few days in S-Central TX will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern include the Guadalupe, San Antonio and Nueces systems, along with the Hill Country.

Today's Weather



SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



Forecast Rainfall

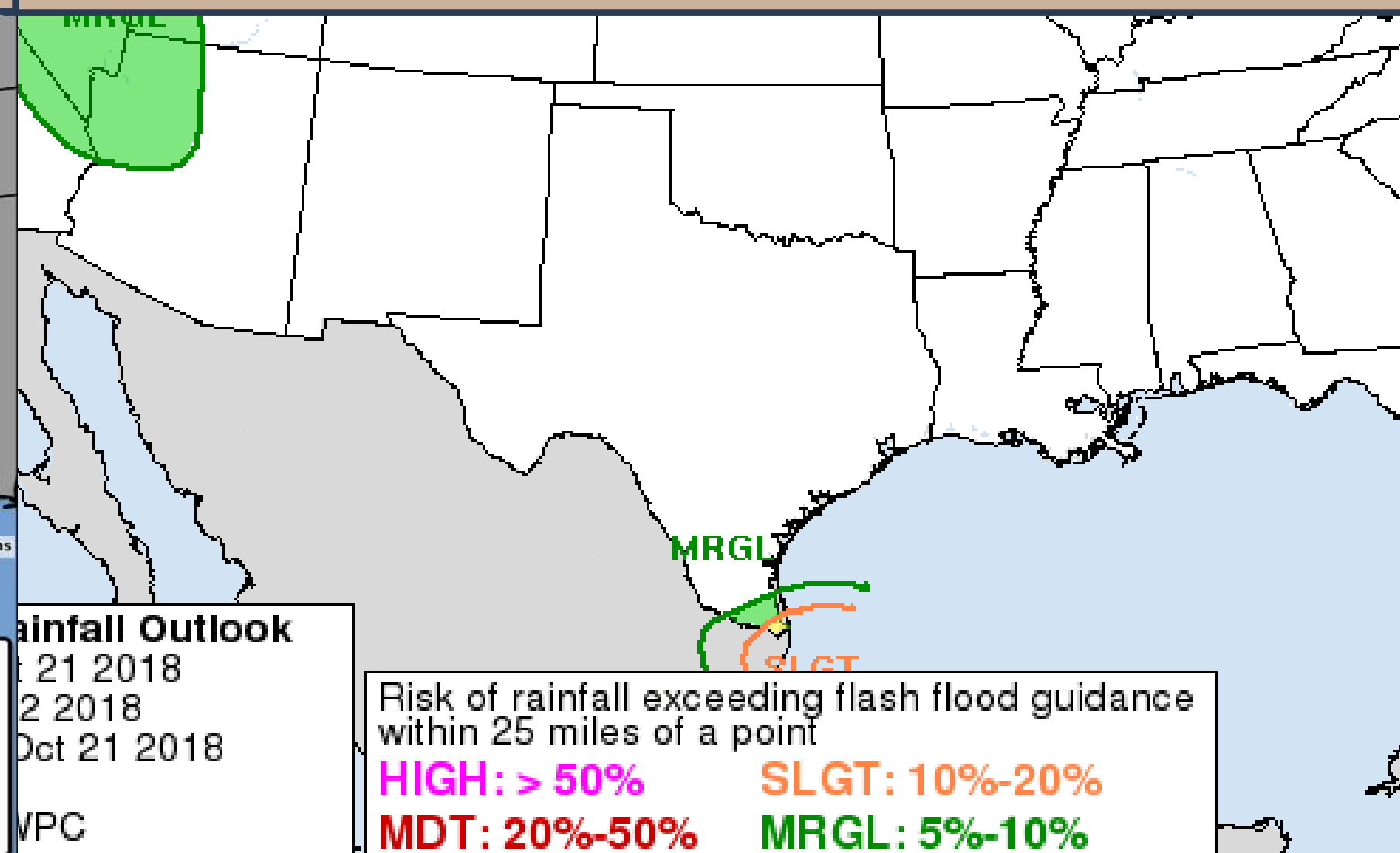


**Rain chances continue over
Deep S TX, with isolated
flash flooding possible.**

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



SR ROC
REGIONAL OPERATIONS CENTER

Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

Flash flood watches are in effect for coastal Deep South TX through Monday morning.

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather

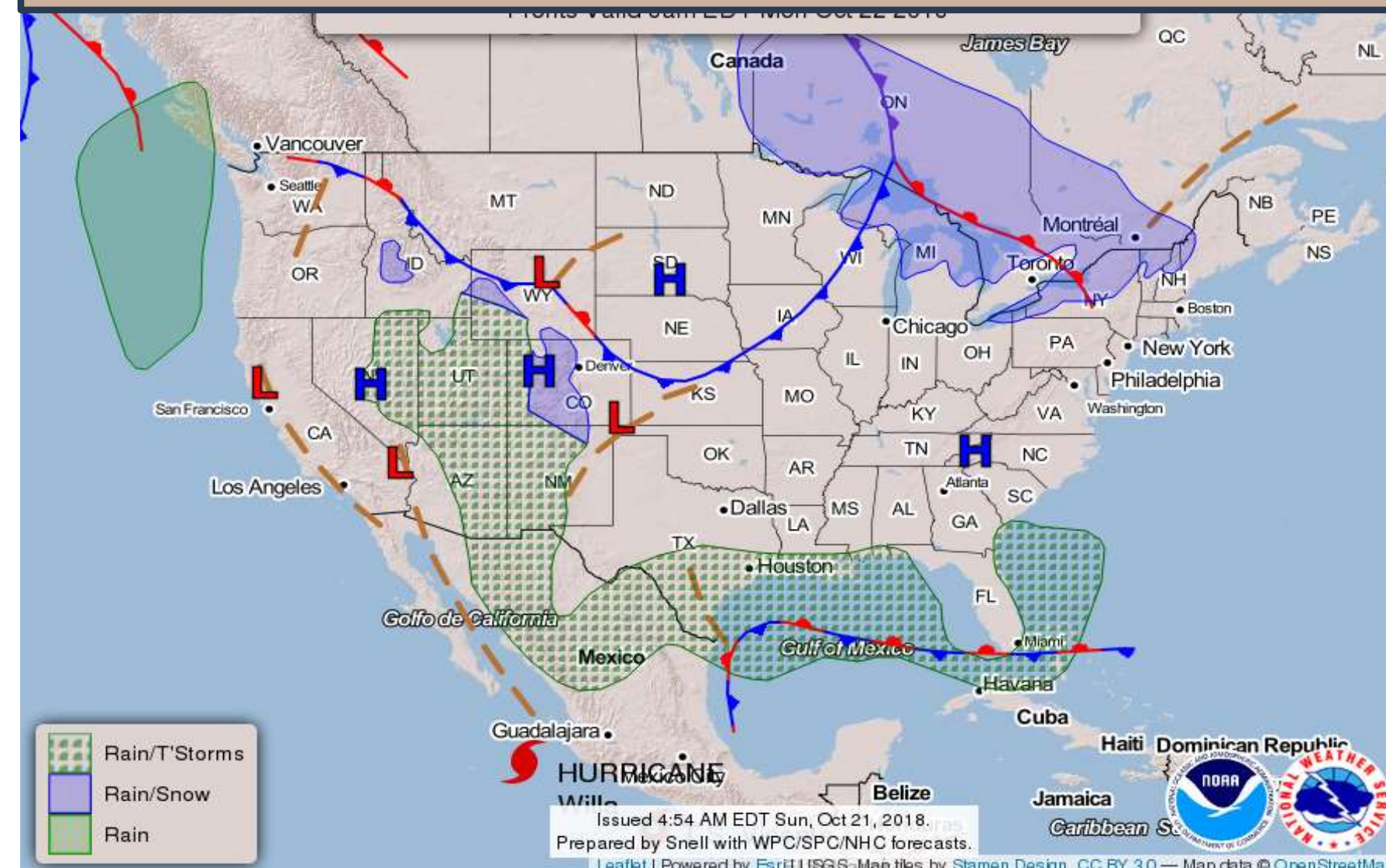


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

Forecast Rainfall

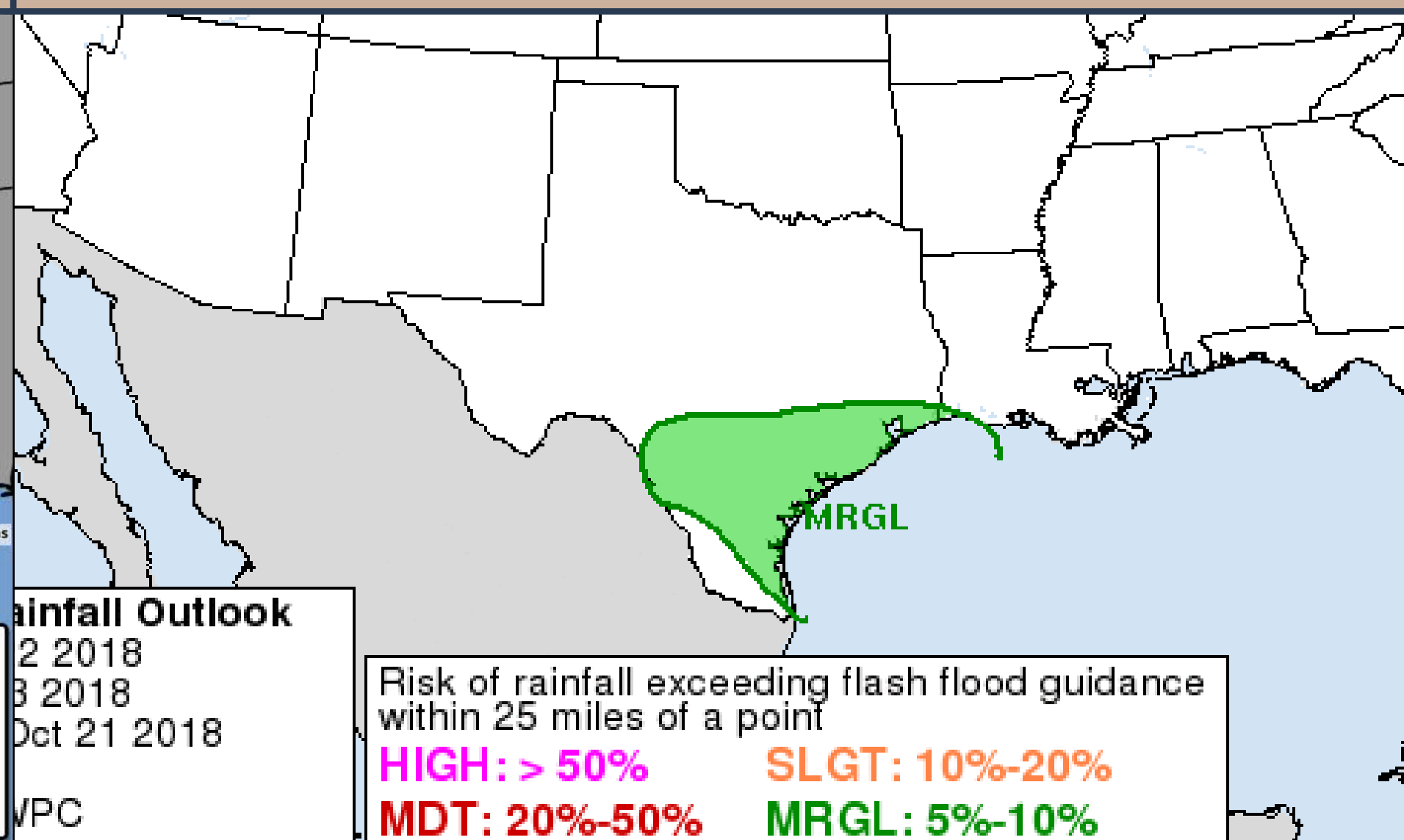
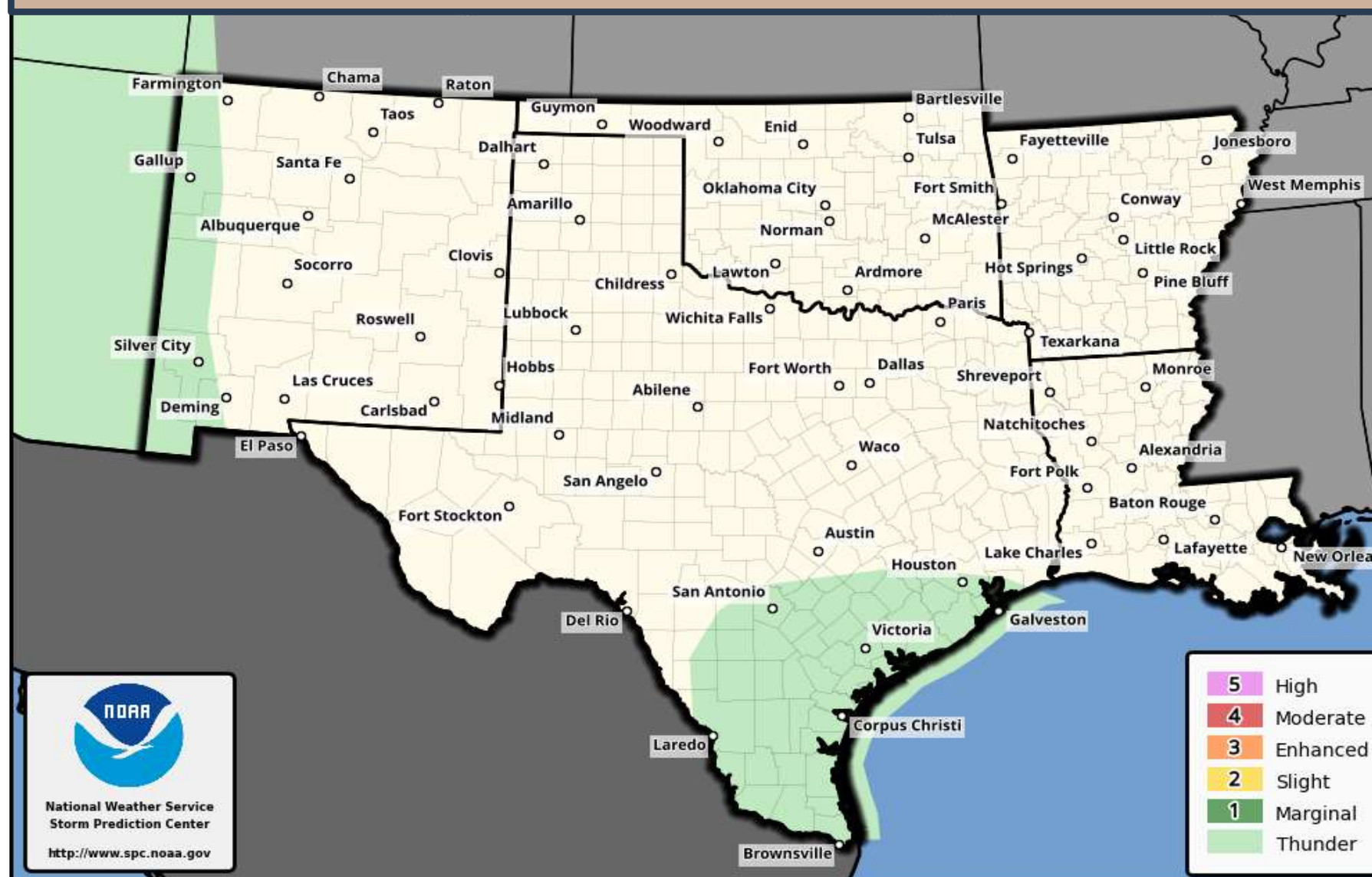
Rain chances return to S-Central and SE TX, but widespread heavy rain or additional flooding is not expected at this time.



Graphic Created
October 21st, 2018
6:20 AM CDT

Severe Weather Outlook

Excessive Rainfall Outlook



Rainfall Outlook
2018
3 2018
Oct 21 2018
WPC

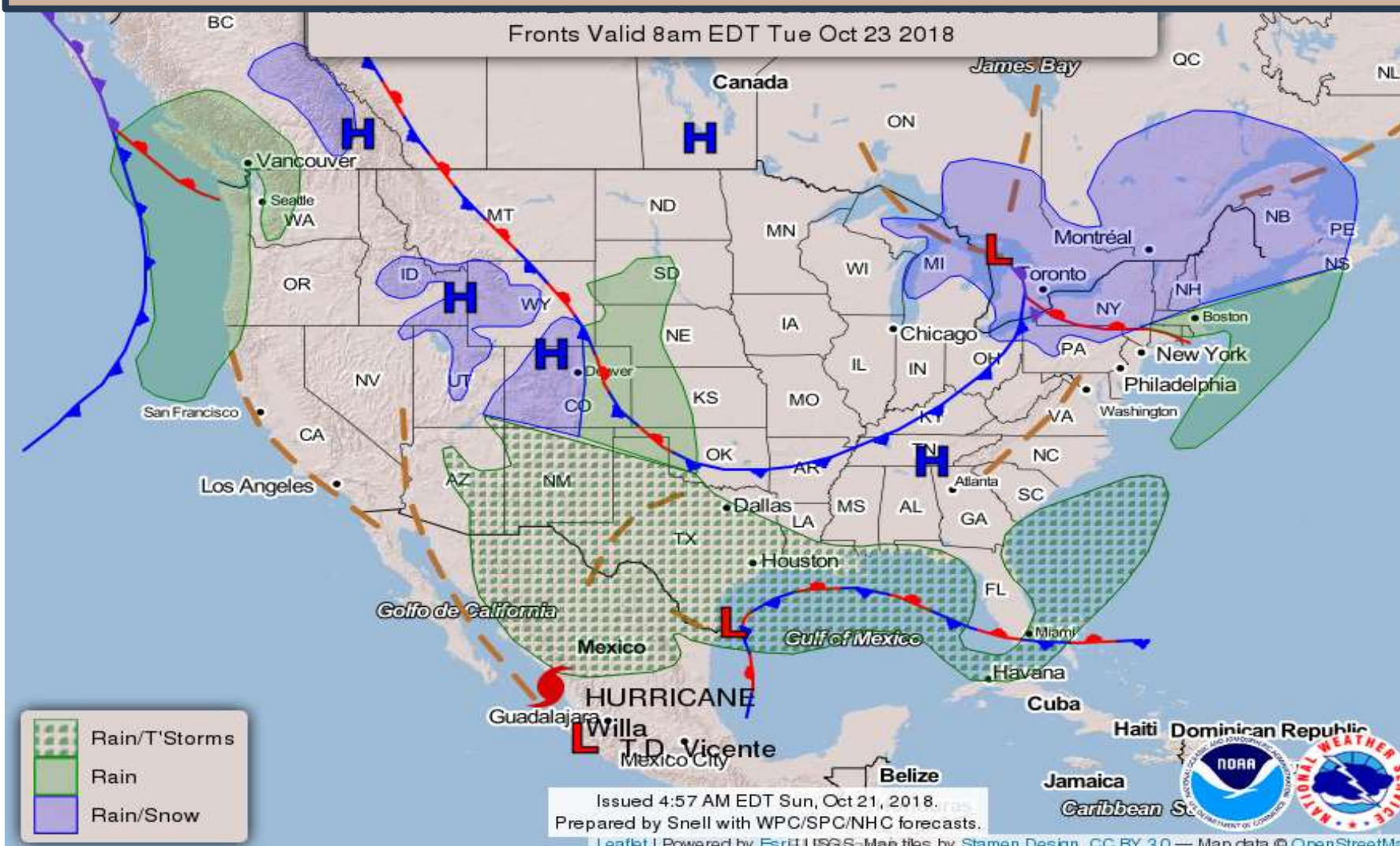
Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Tuesday's Weather

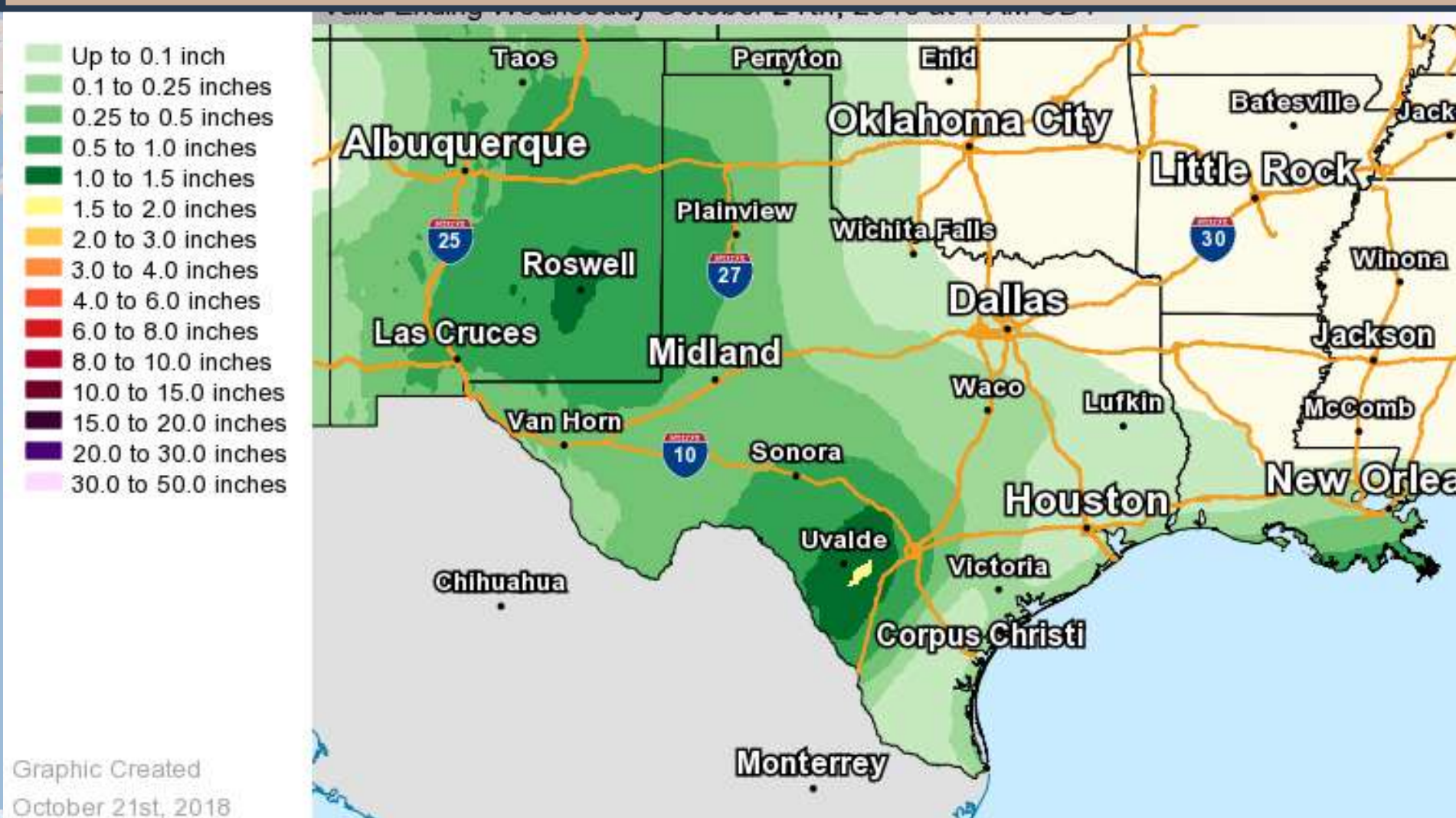


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



Forecast Rainfall



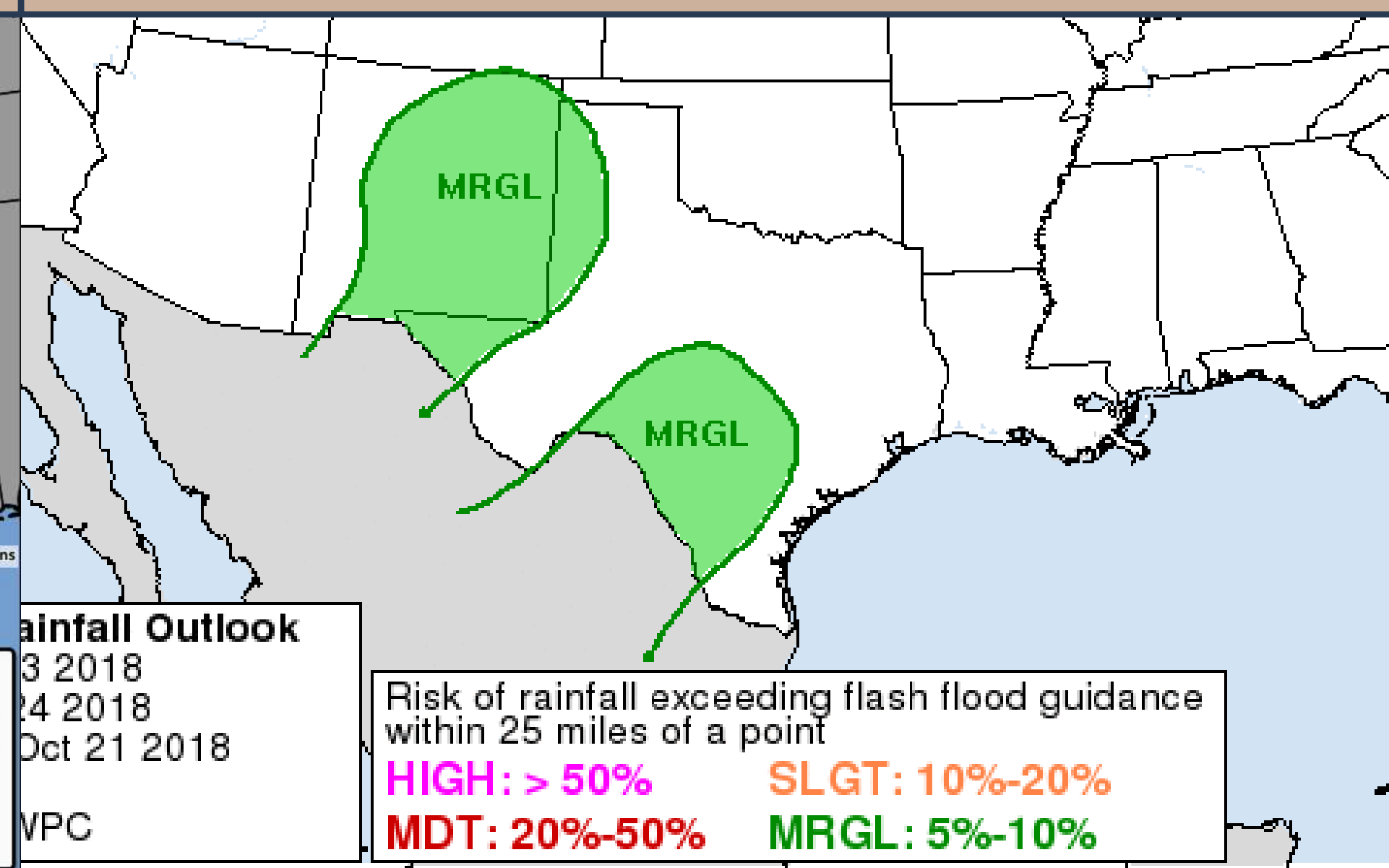
Persistent rain on Tuesday over already-vulnerable areas of SW TX may lead to some isolated flash flooding.

Widespread rainfall expected over NM and W TX as well; some locations could see heavy rain, which would lead to isolated flooding.

Severe Weather Outlook



Excessive Rainfall Outlook

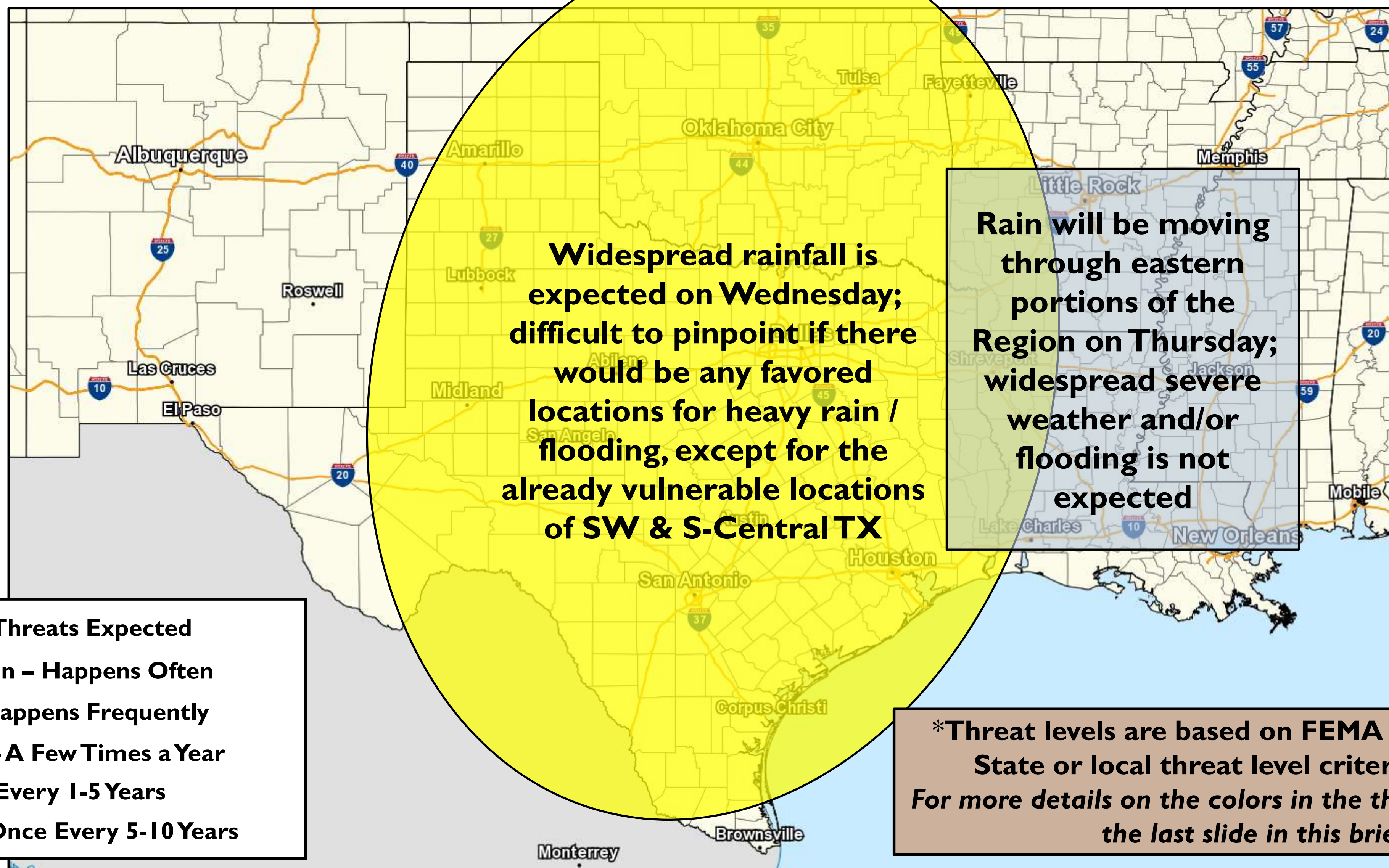


Days 4-5 Weather Hazards

Wednesday - Thursday



SR ROC
REGIONAL OPERATIONS CENTER

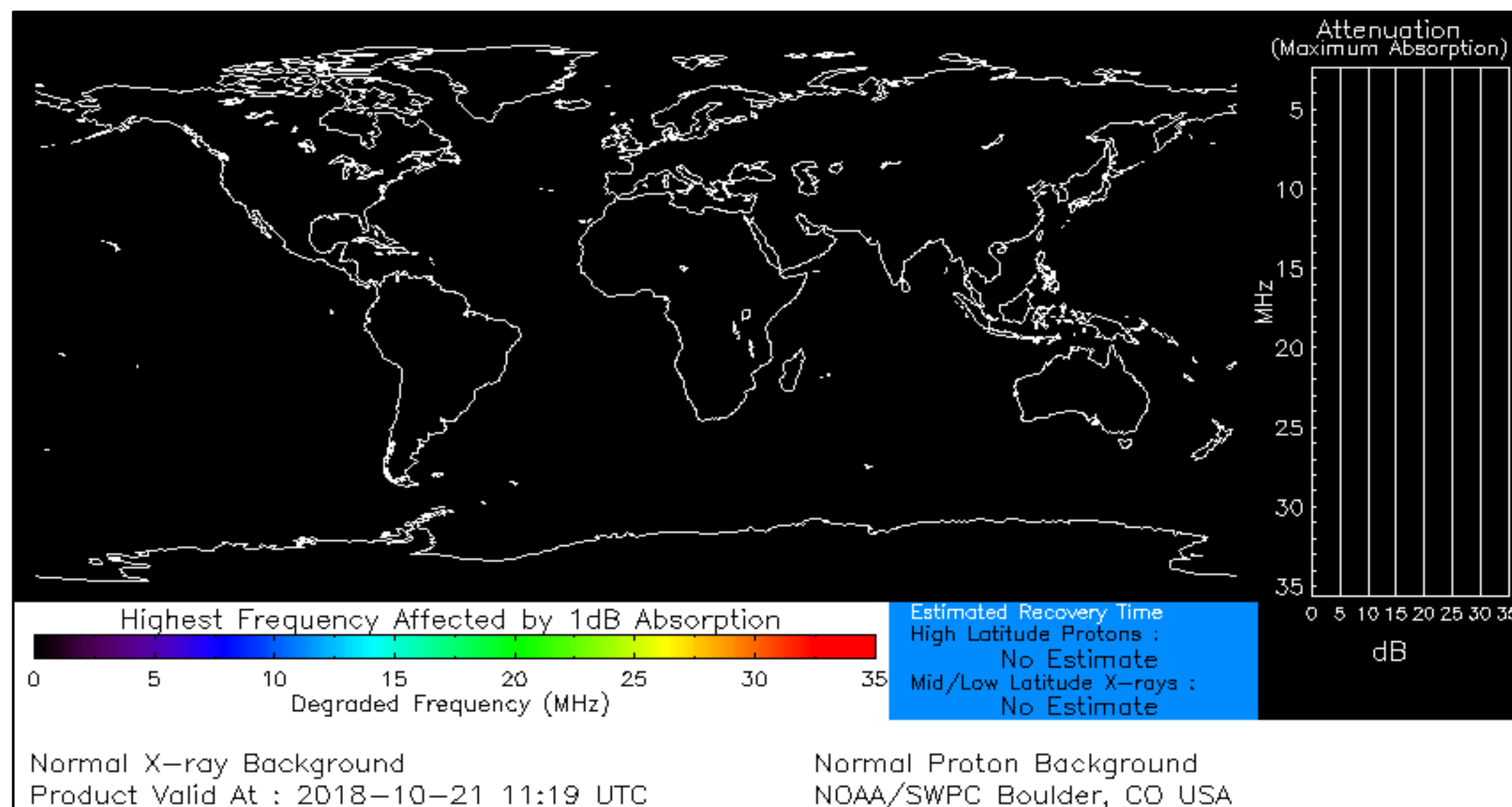


Space Weather 3-Day Forecast



SR ROC
REGIONAL OPERATIONS CENTER

	Sunday	Monday	Tuesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov